

Abstract of the Disclosure:

A baking oven for producing baked molded bodies has a baking line that extends along a plane from an input station to an output station. The baking molds are each formed of a bottom baking plate and a top baking plate that is set down onto the top surface of the lower baking plate. The baking molds are transported through the baking line by a lower conveyor that carries the lower mold halves. An upper conveyor above the baking line transports the upper mold halves through their path of revolution above the plane of the baking line with the plates suspended and substantially horizontally aligned and with the baking surfaces always facing down. At the beginning of the baking line, the upper conveyor sets the top baking plates, which are substantially horizontally aligned, down onto the bottom baking plates for forming the baking molds, and at the end of the baking line, it lifts them from the bottom baking plates for opening the baking molds. The baking plates have aligning elements that mate with one another when a top baking plate is lowered onto a bottom baking plate and align the top plate during placement on the bottom plate.